

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
 Data File : BF077885.D  
 Acq On : 21 Mar 2015 2:37  
 Operator : TP/IZ  
 Sample : G1575-03  
 Misc : W  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-25V

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.035       | 12            | 13          | 16           | rVB      | 14802          | 18698         | 1.09%           | 0.122%        |
| 2         | 1.344       | 38            | 40          | 42           | rBV      | 35703          | 37967         | 2.22%           | 0.247%        |
| 3         | 1.401       | 42            | 45          | 48           | rVB      | 168366         | 280644        | 16.41%          | 1.828%        |
| 4         | 1.561       | 57            | 59          | 62           | rBV      | 177107         | 253825        | 14.84%          | 1.653%        |
| 5         | 1.653       | 66            | 67          | 73           | rVB3     | 8218           | 19742         | 1.15%           | 0.129%        |
| 6         | 1.767       | 75            | 77          | 84           | rBV      | 127243         | 176747        | 10.33%          | 1.151%        |
| 7         | 2.464       | 135           | 138         | 144          | rBV      | 15316          | 25927         | 1.52%           | 0.169%        |
| 8         | 3.058       | 188           | 190         | 199          | rVB3     | 6318           | 18497         | 1.08%           | 0.120%        |
| 9         | 4.876       | 347           | 349         | 352          | rBV      | 67556          | 81833         | 4.78%           | 0.533%        |
| 10        | 4.990       | 352           | 359         | 364          | rVV      | 20227          | 64769         | 3.79%           | 0.422%        |
| 11        | 5.127       | 364           | 371         | 377          | rVB      | 13529          | 36073         | 2.11%           | 0.235%        |
| 12        | 5.413       | 393           | 396         | 399          | rBV      | 469050         | 478865        | 28.00%          | 3.119%        |
| 13        | 6.567       | 495           | 497         | 500          | rBV      | 184463         | 200264        | 11.71%          | 1.304%        |
| 14        | 6.705       | 506           | 509         | 511          | rBV      | 267265         | 322721        | 18.87%          | 2.102%        |
| 15        | 6.842       | 518           | 521         | 523          | rBV      | 733606         | 858841        | 50.21%          | 5.594%        |
| 16        | 6.910       | 523           | 527         | 532          | rVB      | 11080          | 20971         | 1.23%           | 0.137%        |
| 17        | 7.127       | 543           | 546         | 548          | rBV      | 232524         | 234016        | 13.68%          | 1.524%        |
| 18        | 7.276       | 557           | 559         | 560          | rBV      | 32880          | 30696         | 1.79%           | 0.200%        |
| 19        | 7.310       | 560           | 562         | 565          | rVB      | 939803         | 841699        | 49.21%          | 5.483%        |
| 20        | 7.447       | 570           | 574         | 575          | rVB2     | 11524          | 19338         | 1.13%           | 0.126%        |
| 21        | 7.607       | 585           | 588         | 589          | rBV      | 15207          | 19985         | 1.17%           | 0.130%        |
| 22        | 7.825       | 604           | 607         | 609          | rBV      | 574492         | 661388        | 38.67%          | 4.308%        |
| 23        | 7.893       | 611           | 613         | 615          | rVB      | 90802          | 81739         | 4.78%           | 0.532%        |
| 24        | 8.442       | 653           | 661         | 665          | rBV2     | 130165         | 401883        | 23.50%          | 2.618%        |
| 25        | 8.705       | 681           | 684         | 686          | rBV      | 300694         | 328755        | 19.22%          | 2.141%        |
| 26        | 9.059       | 712           | 715         | 718          | rBV      | 33851          | 43490         | 2.54%           | 0.283%        |
| 27        | 9.185       | 724           | 726         | 729          | rBV2     | 15570          | 17542         | 1.03%           | 0.114%        |
| 28        | 9.836       | 781           | 783         | 786          | rBV      | 13849          | 19049         | 1.11%           | 0.124%        |
| 29        | 9.882       | 786           | 787         | 789          | rBV      | 14404          | 21920         | 1.28%           | 0.143%        |
| 30        | 9.928       | 789           | 791         | 794          | rBV      | 110983         | 144097        | 8.42%           | 0.939%        |
| 31        | 10.053      | 799           | 802         | 804          | rVB      | 1419109        | 1434741       | 83.88%          | 9.346%        |
| 32        | 10.476      | 835           | 839         | 844          | rBV3     | 13355          | 44715         | 2.61%           | 0.291%        |
| 33        | 10.556      | 844           | 846         | 849          | rVB      | 91931          | 91220         | 5.33%           | 0.594%        |
| 34        | 10.682      | 855           | 857         | 861          | rVB      | 10516          | 17172         | 1.00%           | 0.112%        |

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 ClientSampleId :  
 MW-25V

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 10.842 | 869  | 871  | 872  | rBV  | 28909   | 30123   | 1.76%   | 0.196%  |
| 36 | 10.876 | 872  | 874  | 876  | rVB  | 301726  | 384931  | 22.51%  | 2.507%  |
| 37 | 11.185 | 898  | 901  | 904  | rBV  | 56480   | 100036  | 5.85%   | 0.652%  |
| 38 | 11.459 | 924  | 925  | 927  | rVB  | 42072   | 36053   | 2.11%   | 0.235%  |
| 39 | 11.734 | 945  | 949  | 952  | rBV  | 15768   | 25797   | 1.51%   | 0.168%  |
| 40 | 11.848 | 956  | 959  | 962  | rBV  | 770472  | 786306  | 45.97%  | 5.122%  |
| 41 | 12.054 | 975  | 977  | 980  | rBV  | 40922   | 67928   | 3.97%   | 0.442%  |
| 42 | 12.362 | 1003 | 1004 | 1006 | rBV  | 14298   | 18350   | 1.07%   | 0.120%  |
| 43 | 12.408 | 1006 | 1008 | 1011 | rVB  | 12943   | 19909   | 1.16%   | 0.130%  |
| 44 | 12.568 | 1020 | 1022 | 1024 | rBV  | 22438   | 26333   | 1.54%   | 0.172%  |
| 45 | 12.614 | 1024 | 1026 | 1027 | rVV  | 26136   | 34335   | 2.01%   | 0.224%  |
| 46 | 12.648 | 1027 | 1029 | 1032 | rVB2 | 11641   | 19061   | 1.11%   | 0.124%  |
| 47 | 12.705 | 1032 | 1034 | 1037 | rBV  | 427196  | 421333  | 24.63%  | 2.744%  |
| 48 | 13.139 | 1070 | 1072 | 1075 | rBV  | 22415   | 23115   | 1.35%   | 0.151%  |
| 49 | 13.448 | 1096 | 1099 | 1101 | rBV  | 45982   | 67812   | 3.96%   | 0.442%  |
| 50 | 13.654 | 1114 | 1117 | 1118 | rBV2 | 10746   | 18554   | 1.08%   | 0.121%  |
| 51 | 13.757 | 1124 | 1126 | 1128 | rBV  | 58780   | 60140   | 3.52%   | 0.392%  |
| 52 | 14.534 | 1192 | 1194 | 1195 | rBV  | 21835   | 25820   | 1.51%   | 0.168%  |
| 53 | 14.602 | 1198 | 1200 | 1201 | rVV  | 17861   | 18889   | 1.10%   | 0.123%  |
| 54 | 14.637 | 1201 | 1203 | 1204 | rVV  | 66087   | 76684   | 4.48%   | 0.500%  |
| 55 | 14.705 | 1206 | 1209 | 1211 | rVV  | 1629573 | 1710411 | 100.00% | 11.141% |
| 56 | 15.048 | 1234 | 1239 | 1241 | rBV  | 33797   | 52000   | 3.04%   | 0.339%  |
| 57 | 15.323 | 1261 | 1263 | 1270 | rVV2 | 72095   | 138199  | 8.08%   | 0.900%  |
| 58 | 15.448 | 1272 | 1274 | 1275 | rVV  | 38390   | 54196   | 3.17%   | 0.353%  |
| 59 | 15.471 | 1275 | 1276 | 1278 | rVV  | 62124   | 67921   | 3.97%   | 0.442%  |
| 60 | 15.505 | 1278 | 1279 | 1281 | rVB  | 29891   | 28150   | 1.65%   | 0.183%  |
| 61 | 15.883 | 1309 | 1312 | 1319 | rBV  | 225915  | 366245  | 21.41%  | 2.386%  |
| 62 | 15.985 | 1319 | 1321 | 1324 | rVV  | 486896  | 481591  | 28.16%  | 3.137%  |
| 63 | 16.043 | 1324 | 1326 | 1330 | rVB  | 35614   | 40472   | 2.37%   | 0.264%  |
| 64 | 16.294 | 1345 | 1348 | 1350 | rBV  | 103035  | 131599  | 7.69%   | 0.857%  |
| 65 | 16.683 | 1379 | 1382 | 1385 | rBV  | 107068  | 134075  | 7.84%   | 0.873%  |
| 66 | 16.877 | 1396 | 1399 | 1402 | rBV  | 42804   | 50206   | 2.94%   | 0.327%  |
| 67 | 17.071 | 1414 | 1416 | 1419 | rBV  | 101885  | 120911  | 7.07%   | 0.788%  |
| 68 | 17.151 | 1420 | 1423 | 1426 | rVV  | 381315  | 436969  | 25.55%  | 2.846%  |
| 69 | 17.460 | 1447 | 1450 | 1455 | rBV  | 87628   | 119490  | 6.99%   | 0.778%  |
| 70 | 17.700 | 1469 | 1471 | 1474 | rBV  | 400721  | 464633  | 27.16%  | 3.027%  |
| 71 | 17.837 | 1480 | 1483 | 1487 | rBV  | 66443   | 105787  | 6.18%   | 0.689%  |

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ClientSampleId :  
MW-25V

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 18.260 | 1517 | 1520 | 1522 | rBV  | 45677  | 68721  | 4.02%  | 0.448% |
| 73 | 18.306 | 1522 | 1524 | 1528 | rVB5 | 14059  | 31664  | 1.85%  | 0.206% |
| 74 | 18.569 | 1544 | 1547 | 1553 | rBV7 | 22007  | 52616  | 3.08%  | 0.343% |
| 75 | 18.683 | 1553 | 1557 | 1559 | rBV  | 99937  | 174686 | 10.21% | 1.138% |
| 76 | 18.729 | 1559 | 1561 | 1563 | rVB  | 15348  | 22533  | 1.32%  | 0.147% |
| 77 | 19.117 | 1592 | 1595 | 1600 | rVB  | 31084  | 66191  | 3.87%  | 0.431% |
| 78 | 19.277 | 1606 | 1609 | 1615 | rBV2 | 34558  | 88289  | 5.16%  | 0.575% |
| 79 | 19.574 | 1632 | 1635 | 1638 | rBV4 | 9430   | 25012  | 1.46%  | 0.163% |
| 80 | 19.654 | 1638 | 1642 | 1647 | rVV2 | 126800 | 342737 | 20.04% | 2.233% |
| 81 | 19.746 | 1647 | 1650 | 1659 | rVV4 | 38082  | 106487 | 6.23%  | 0.694% |
| 82 | 19.929 | 1663 | 1666 | 1669 | rVB4 | 14133  | 31221  | 1.83%  | 0.203% |
| 83 | 20.089 | 1677 | 1680 | 1684 | rBV6 | 8405   | 26521  | 1.55%  | 0.173% |
| 84 | 20.180 | 1684 | 1688 | 1694 | rVB2 | 62446  | 141120 | 8.25%  | 0.919% |
| 85 | 20.672 | 1728 | 1731 | 1740 | rVB7 | 15608  | 59982  | 3.51%  | 0.391% |

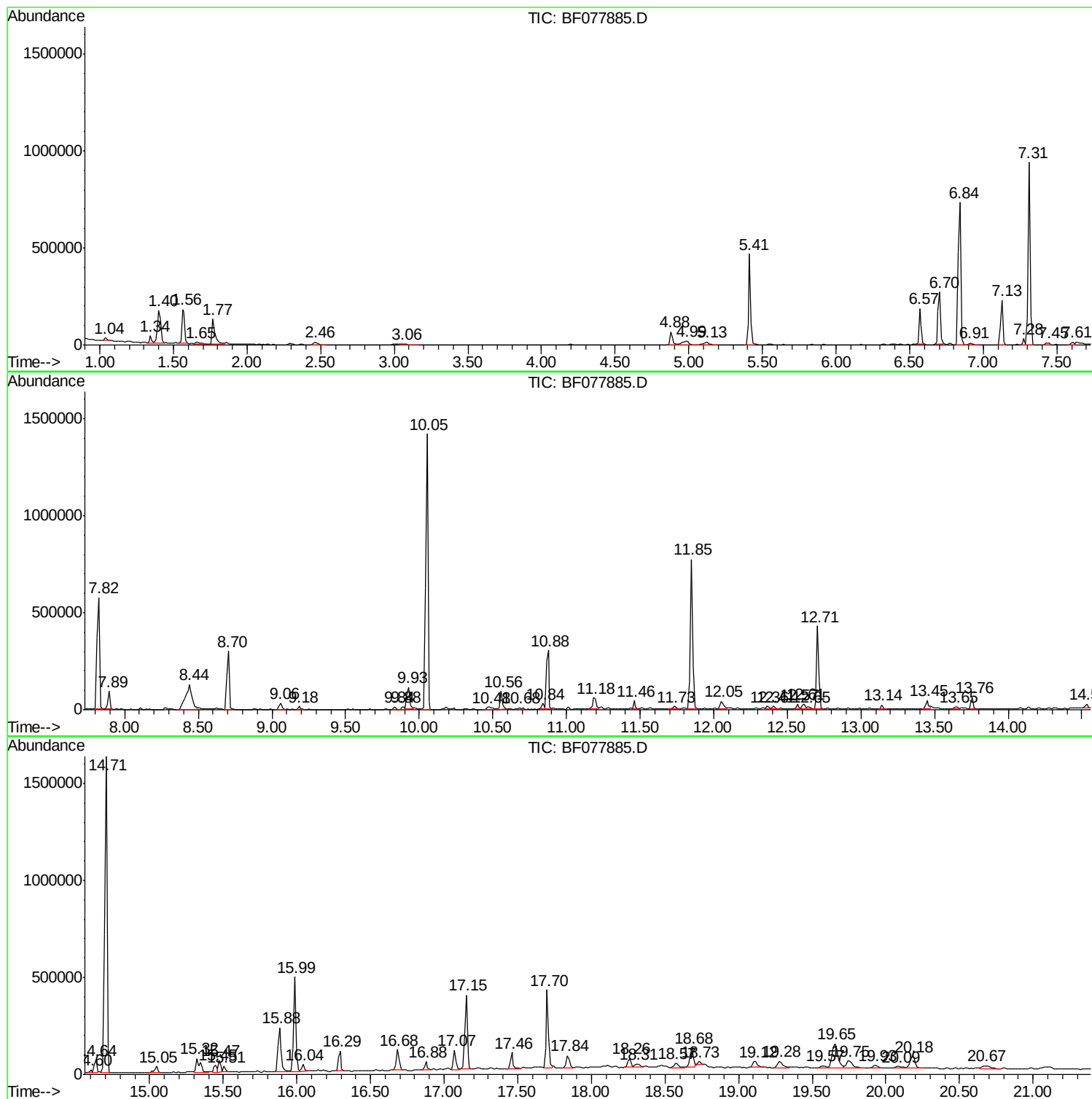
Sum of corrected areas: 15351973

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
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Instrument :  
BNA\_F  
ClientSampled :  
MW-25V

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
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Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

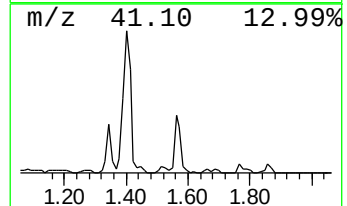
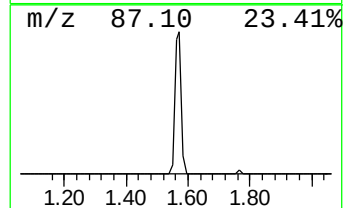
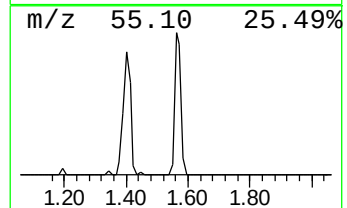
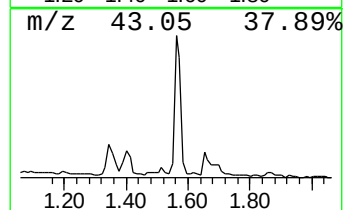
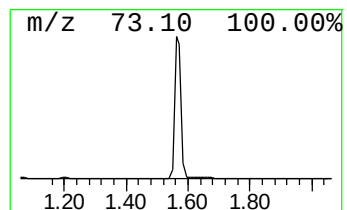
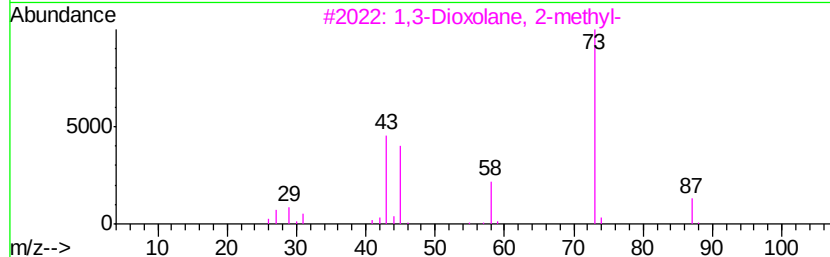
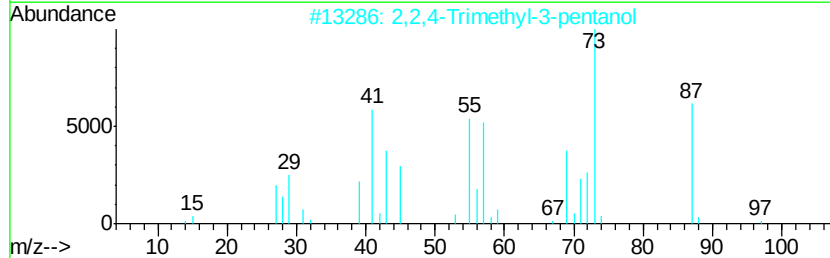
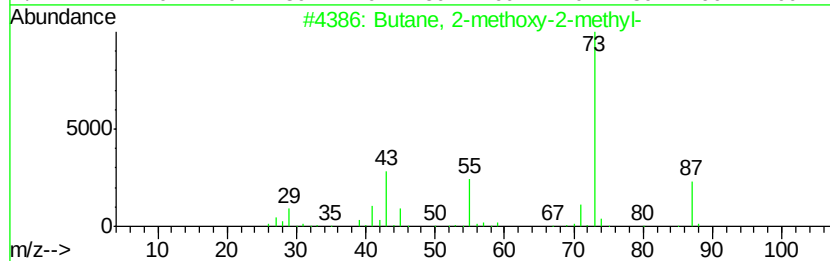
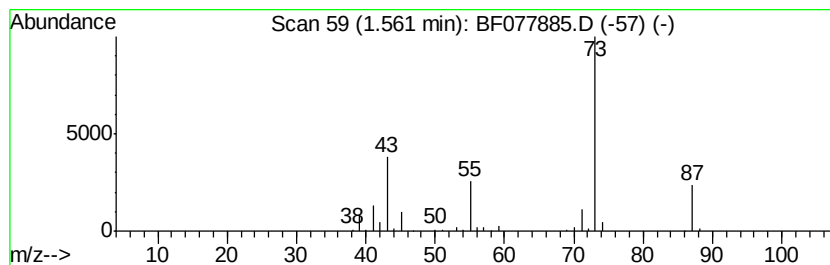
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.56 | 21.69 ng | 253825 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

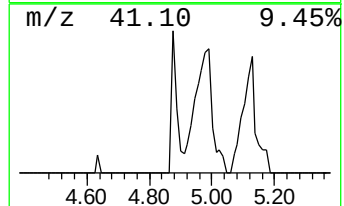
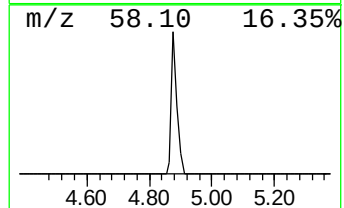
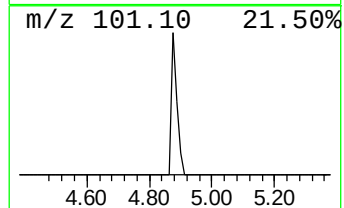
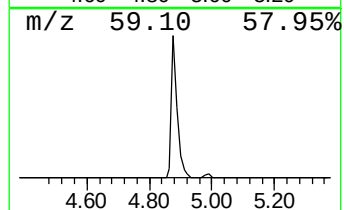
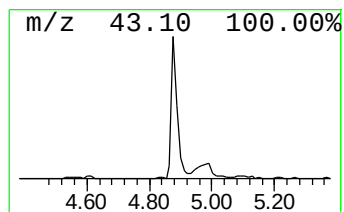
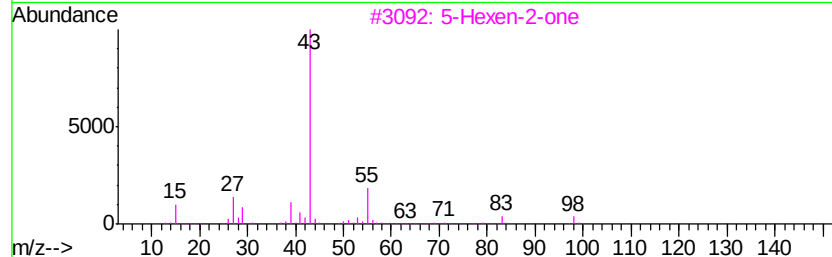
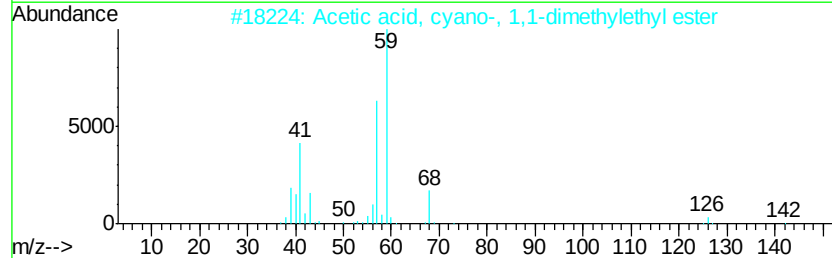
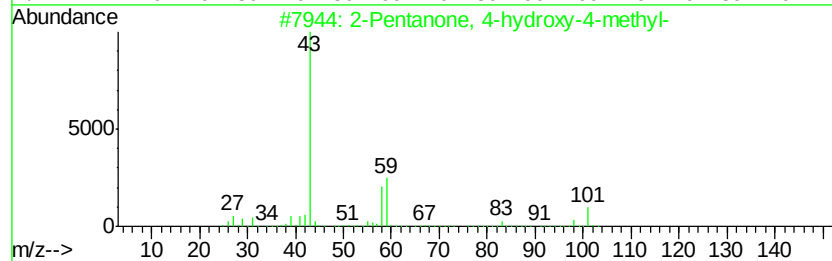
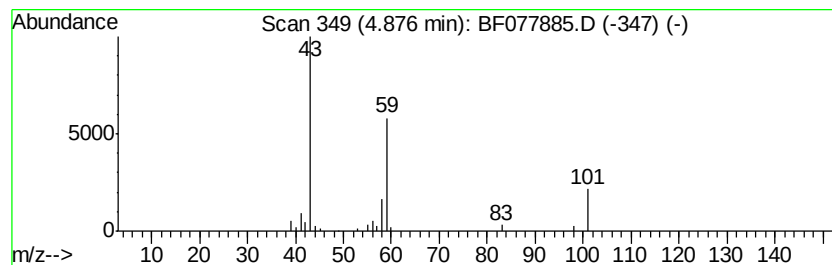
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.88 | 6.99 ng | 81833 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# of 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|-----------|--------------------------------------|-----|----------|-------------|------|
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2         | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3         | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 4         | 4-Penten-2-one, 4-methyl-            | 98  | C6H10O   | 003744-02-3 | 9    |
| 5         | 2-Pentanol, 2,4-dimethyl-            | 116 | C7H16O   | 000625-06-9 | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

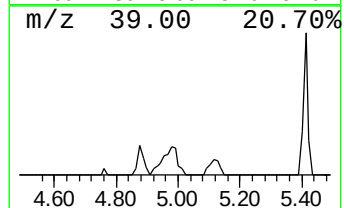
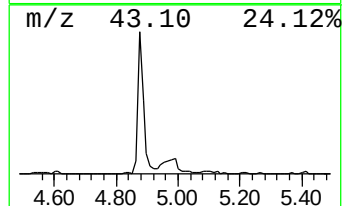
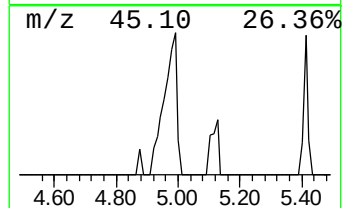
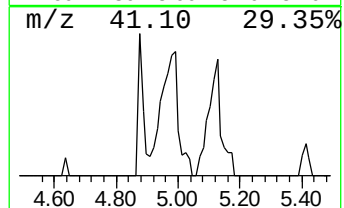
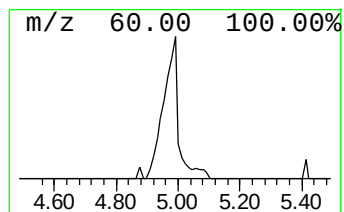
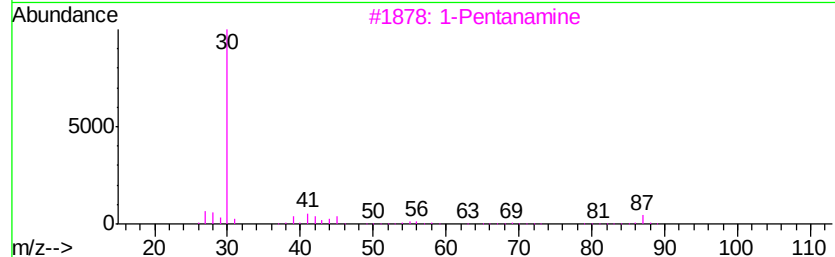
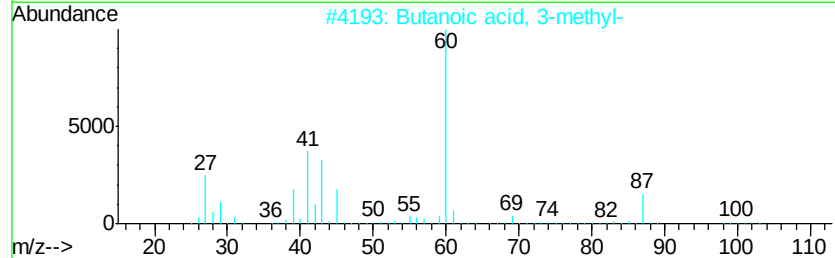
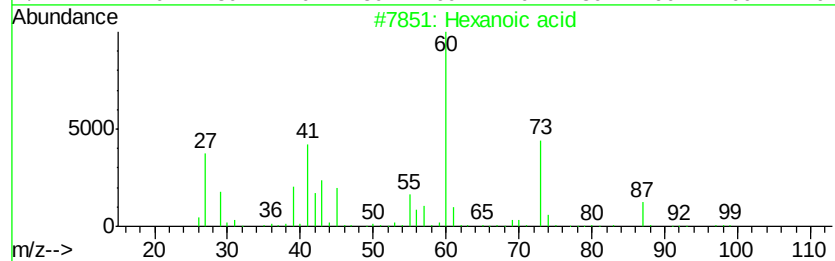
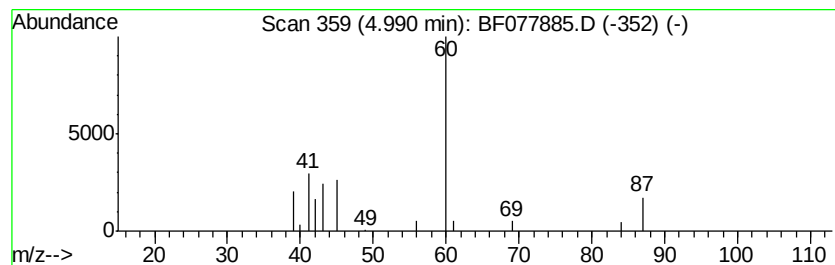
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown4.99 Concentration Rank 16

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.99 | 5.54 ng | 64769 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexanoic acid            | 116 | C6H12O2 | 000142-62-1 | 43   |
| 2    |    | Butanoic acid, 3-methyl- | 102 | C5H10O2 | 000503-74-2 | 40   |
| 3    |    | 1-Pentanamine            | 87  | C5H13N  | 000110-58-7 | 9    |
| 4    |    | Hydrazine, 1,1-dimethyl- | 60  | C2H8N2  | 000057-14-7 | 7    |
| 5    |    | Thiirane                 | 60  | C2H4S   | 000420-12-2 | 4    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

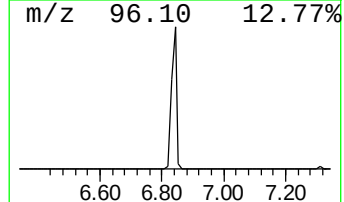
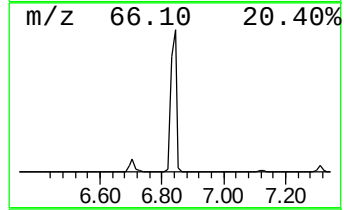
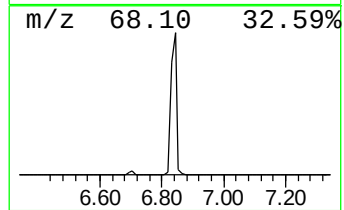
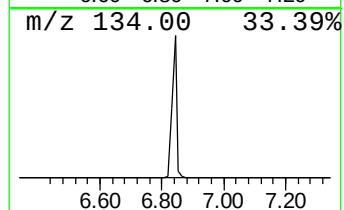
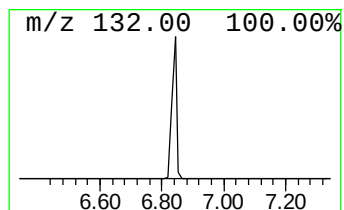
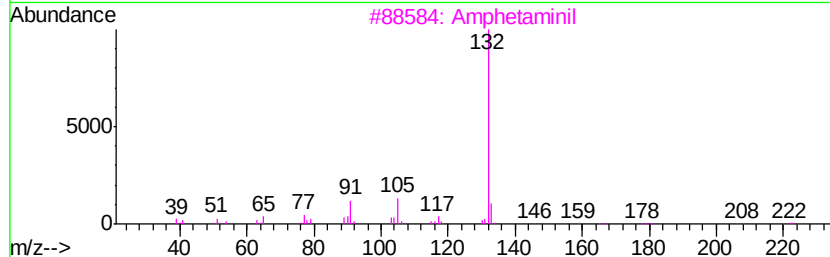
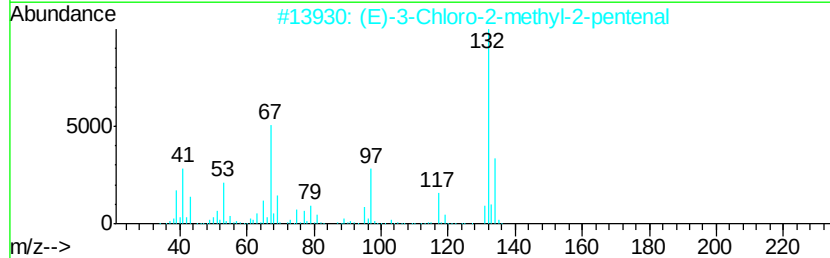
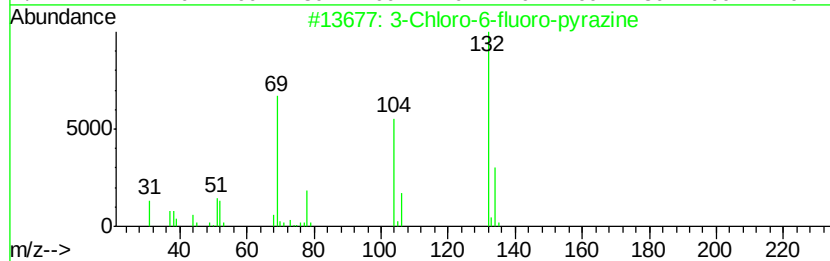
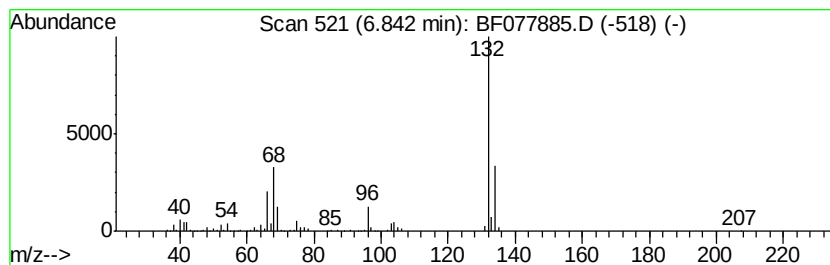
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown6.84 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.84 | 73.40 ng | 858841 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Amphetaminil                        | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

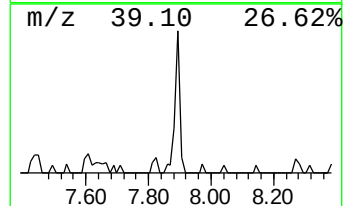
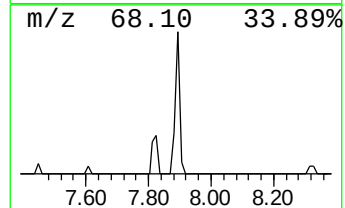
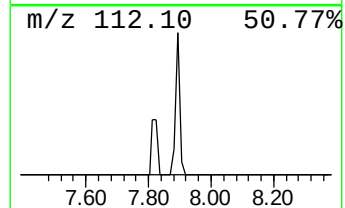
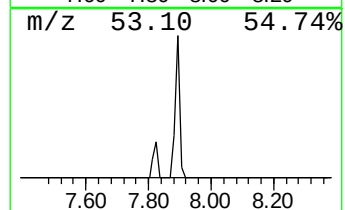
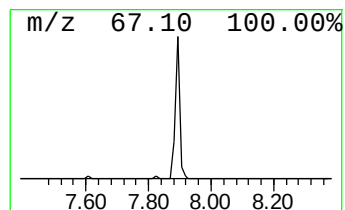
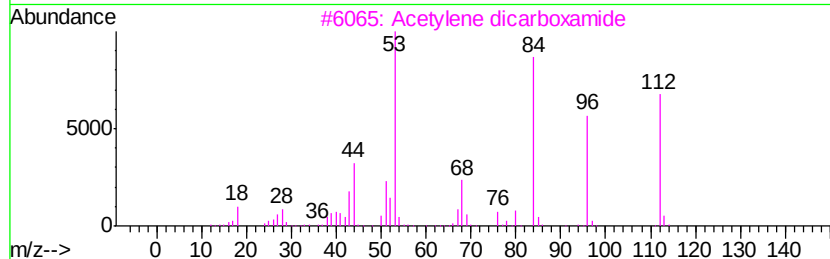
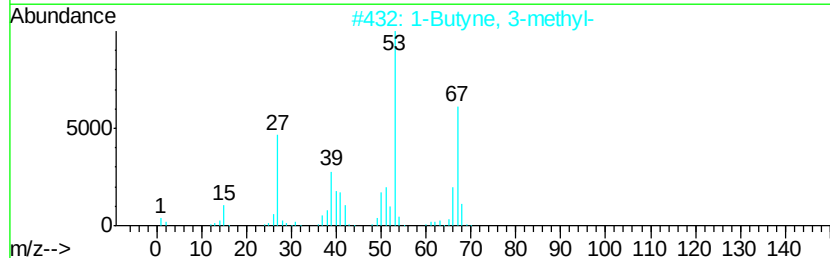
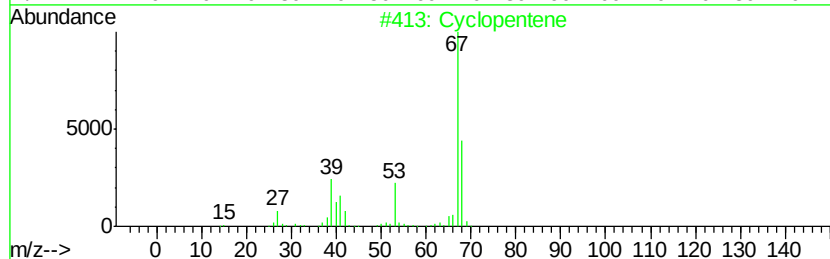
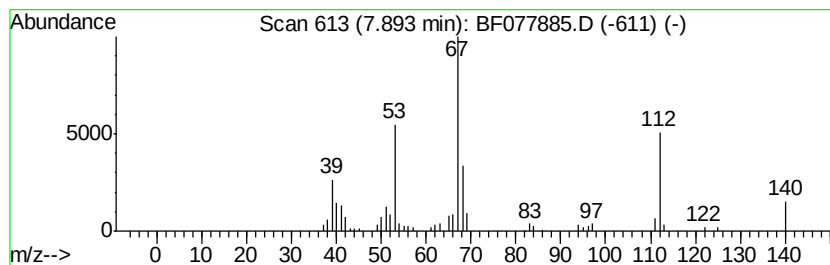
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclopentene Concentration Rank 12

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.89 | 6.99 ng | 81739 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclopentene            | 68  | C5H8     | 000142-29-0 | 64   |
| 2    |    |   | 1-Butyne, 3-methyl-     | 68  | C5H8     | 000598-23-2 | 59   |
| 3    |    |   | Acetylene dicarboxamide | 112 | C4H4N2O2 | 000543-21-5 | 47   |
| 4    |    |   | Bicyclo[2.1.0]pentane   | 68  | C5H8     | 000185-94-4 | 45   |
| 5    |    |   | Spiropentane            | 68  | C5H8     | 000157-40-4 | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
MW-25V

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

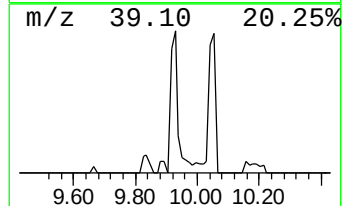
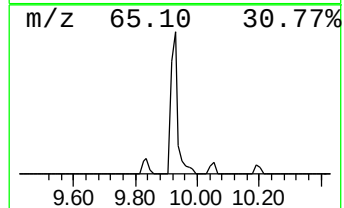
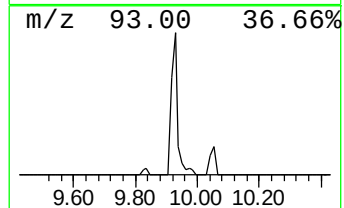
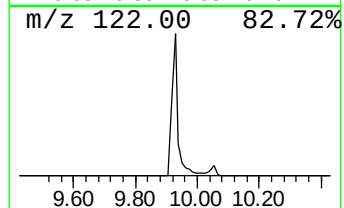
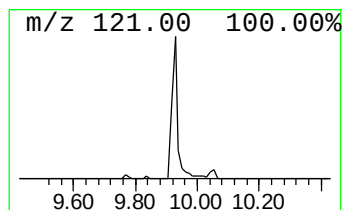
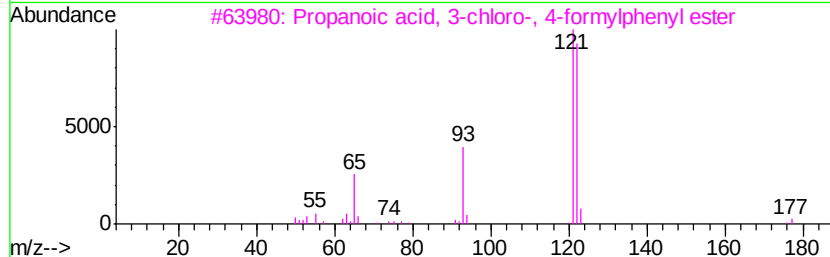
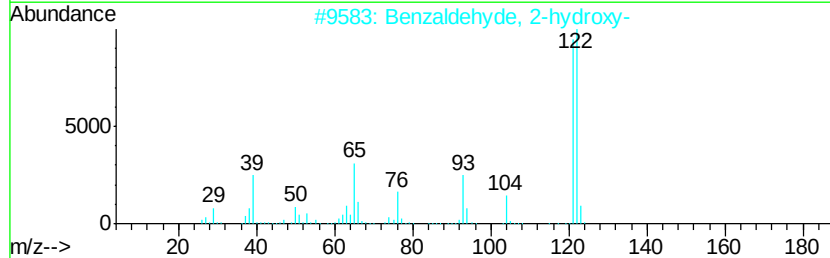
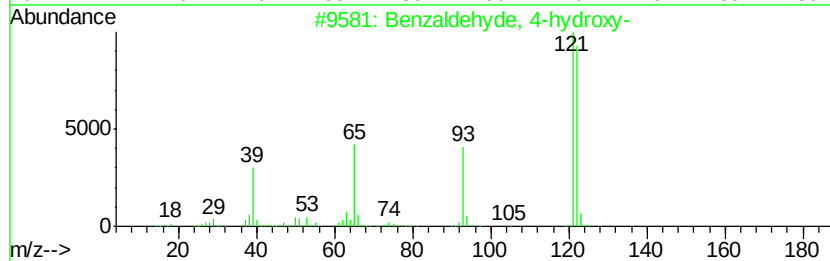
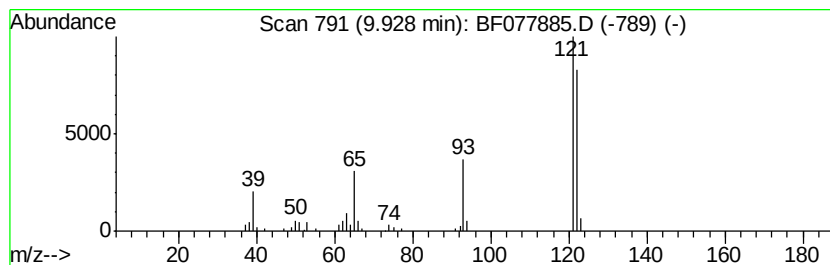
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzaldehyde, 4-hydroxy- Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.93 | 7.49 ng | 144097 | Acenaphthene-d10 | 10.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Benzaldehyd, 4-hydroxy-             | 122 | C7H6O2    | 000123-08-0  | 96   |
| 2    |    | Benzaldehyd, 2-hydroxy-             | 122 | C7H6O2    | 000090-02-8  | 90   |
| 3    |    | Propanoic acid, 3-chloro-, 4-for... | 212 | C10H9ClO3 | 1000142-41-5 | 90   |
| 4    |    | Benzaldehyd, 3-hydroxy-             | 122 | C7H6O2    | 000100-83-4  | 64   |
| 5    |    | 1,3-Benzodioxole                    | 122 | C7H6O2    | 000274-09-9  | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

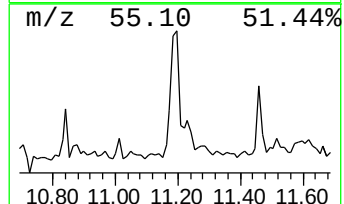
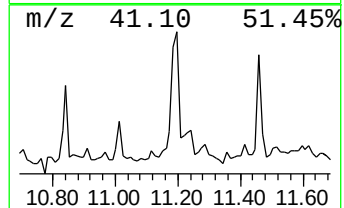
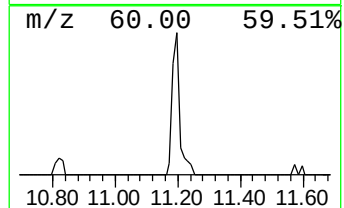
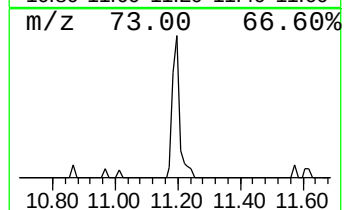
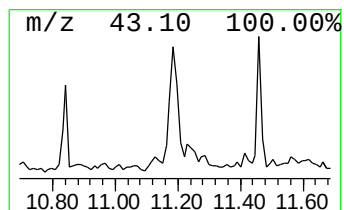
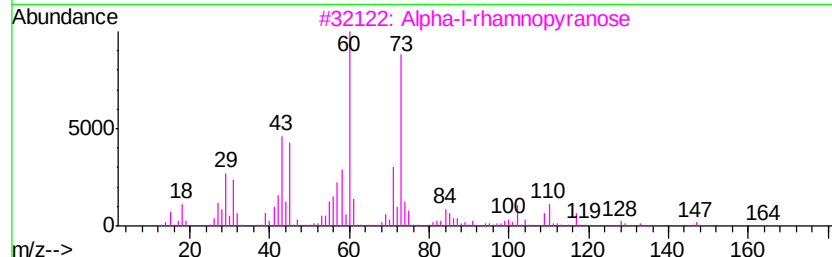
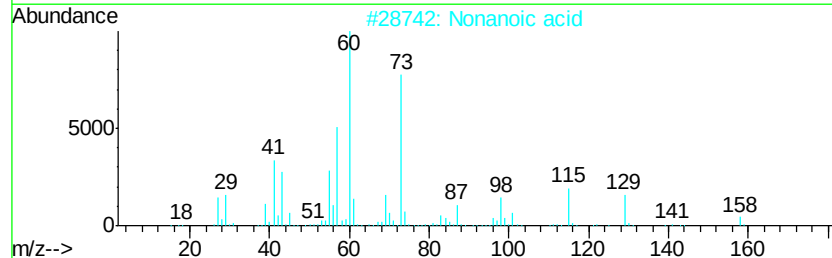
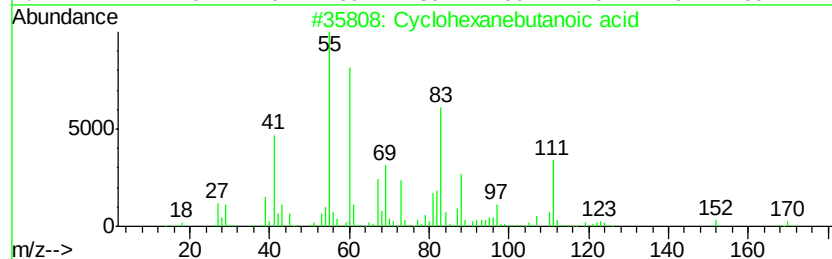
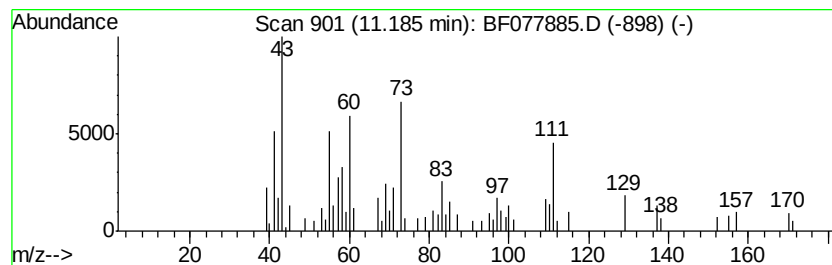
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown11.19 Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.19 | 5.20 ng | 100036 | Acenaphthene-d10 | 10.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclohexanebutanoic acid            | 170 | C10H18O2   | 004441-63-8  | 49   |
| 2    |    | Nonanoic acid                       | 158 | C9H18O2    | 000112-05-0  | 22   |
| 3    |    | Alpha-l-rhamnopyranose              | 164 | C6H12O5    | 035810-56-1  | 22   |
| 4    |    | Cyclohexane, 1R-acetamido-2cis,4... | 298 | C12H18N4O5 | 1000153-71-2 | 16   |
| 5    |    | 1,3-Cyclohexanediol, 2-methyl-2-... | 217 | C9H15NO5   | 114454-84-1  | 16   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

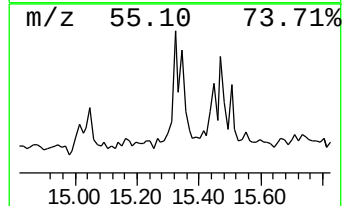
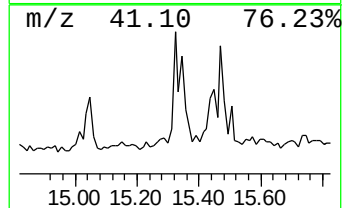
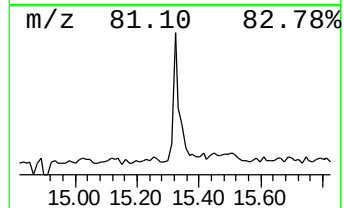
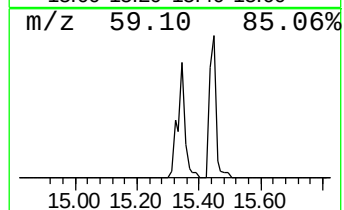
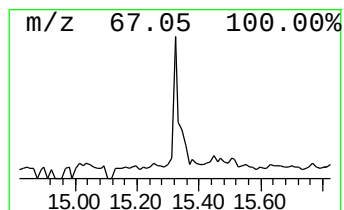
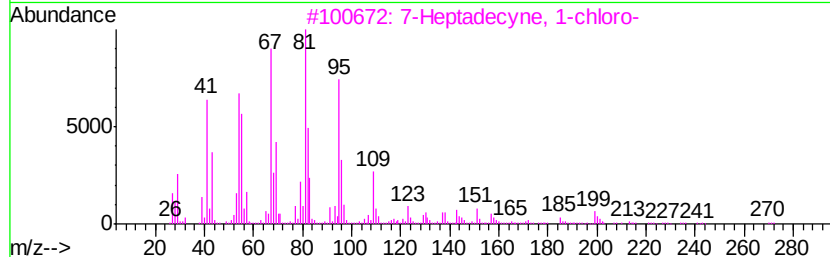
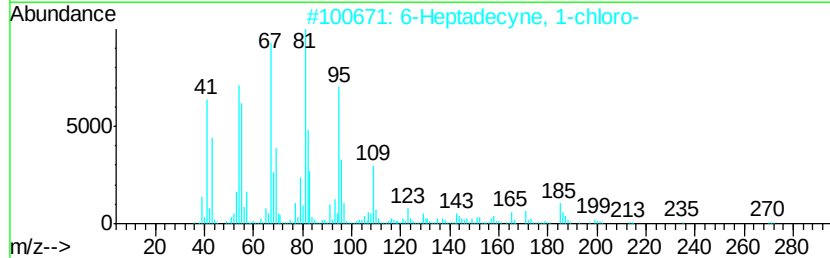
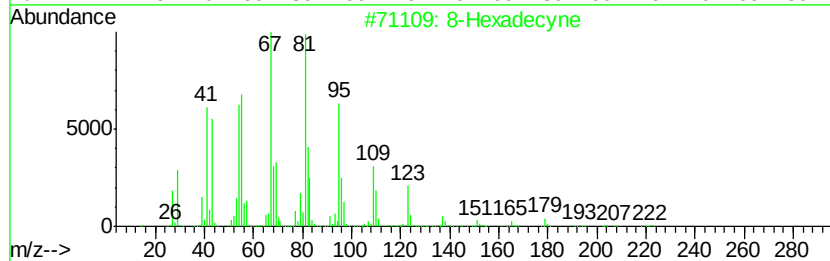
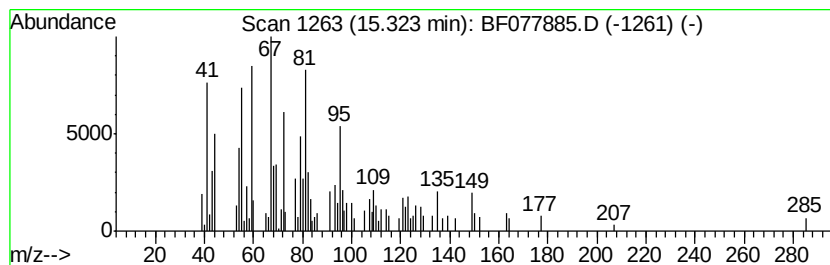
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BNA\_F  
ClientSampleId :  
MW-25V

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 8-Hexadecyne Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD         |     | R.T.     |             |      |
|-------|---------|--------|--------------------------|-----|----------|-------------|------|
| 15.32 | 5.74 ng | 138199 | Chrysene-d12             |     | 15.99    |             |      |
| Hit#  | of      | 5      | Tentative ID             | MW  | MolForm  | CAS#        | Qual |
| 1     |         |        | 8-Hexadecyne             | 222 | C16H30   | 019781-86-3 | 55   |
| 2     |         |        | 6-Heptadecyne, 1-chloro- | 270 | C17H31Cl | 056599-59-8 | 35   |
| 3     |         |        | 7-Heptadecyne, 1-chloro- | 270 | C17H31Cl | 056554-74-6 | 35   |
| 4     |         |        | 1-Tridecyne              | 180 | C13H24   | 026186-02-7 | 30   |
| 5     |         |        | Cyclohexane, ethenyl-    | 110 | C8H14    | 000695-12-5 | 30   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

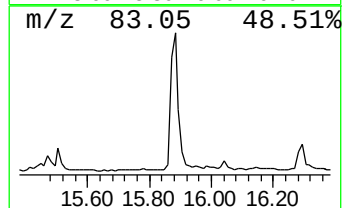
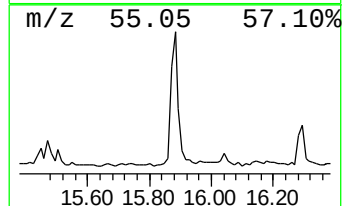
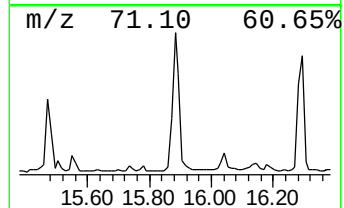
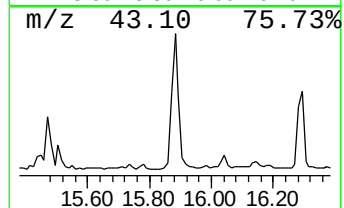
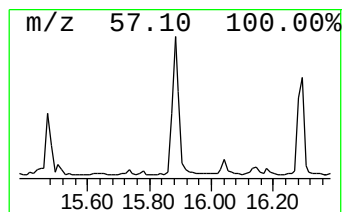
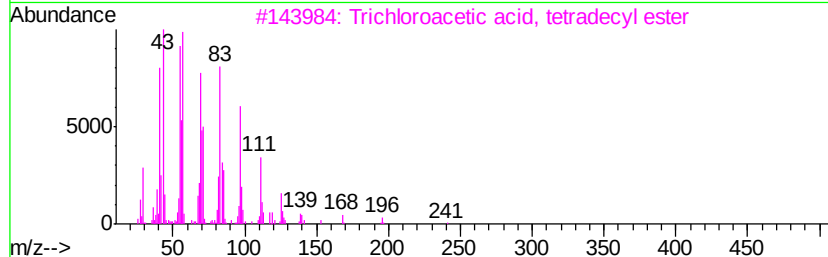
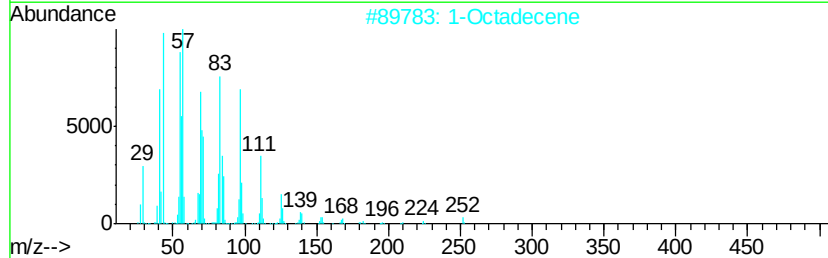
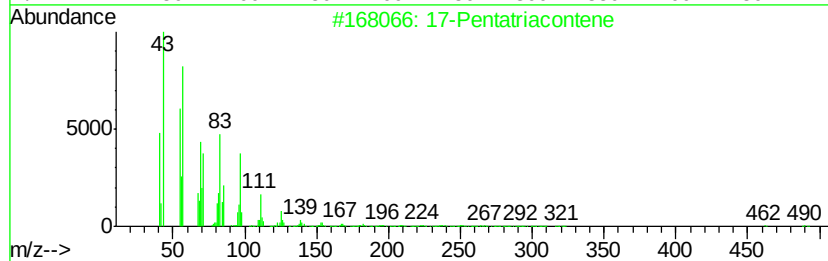
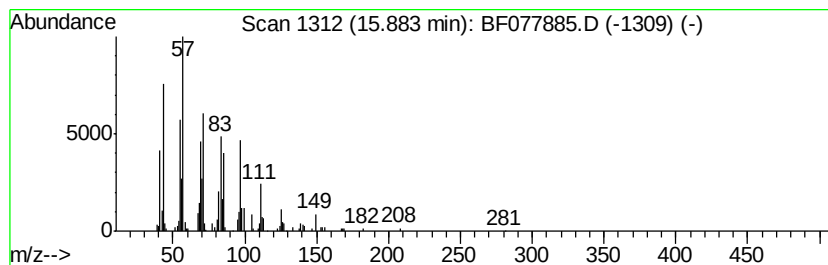
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 17-Pentatriacontene Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.88 | 15.21 ng | 366245 | Chrysene-d12     | 15.99 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-------------|-------------|------|
| 1       |   | 17-Pentatriacontene                 | 491 | C35H70      | 006971-40-0 | 72   |
| 2       |   | 1-Octadecene                        | 252 | C18H36      | 000112-88-9 | 62   |
| 3       |   | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 58   |
| 4       |   | 2-Hexyl-1-octanol                   | 214 | C14H30O     | 019780-79-1 | 52   |
| 5       |   | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2  | 006222-07-7 | 52   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

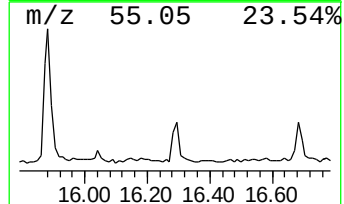
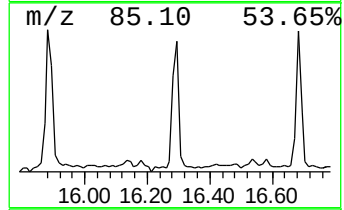
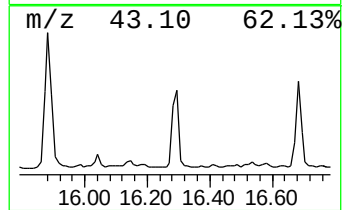
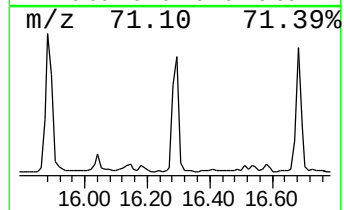
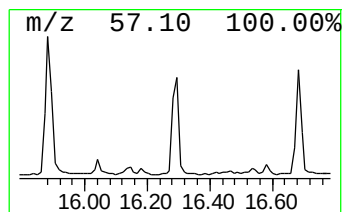
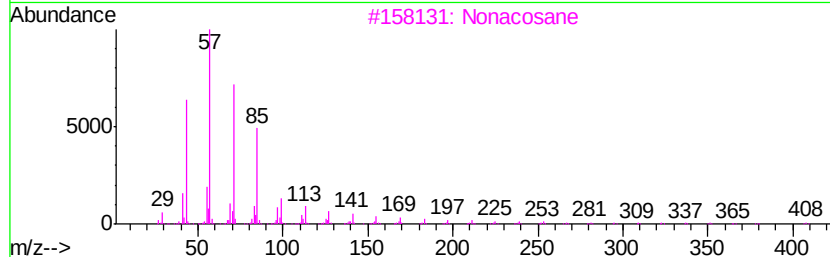
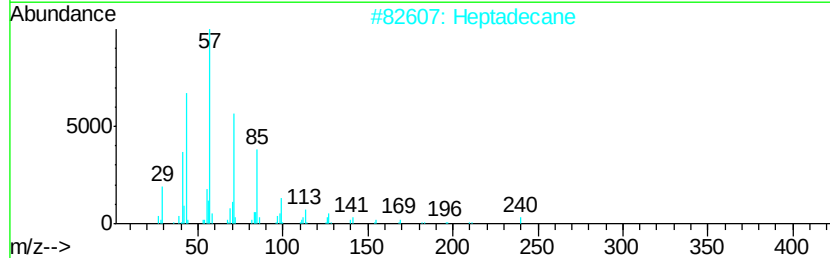
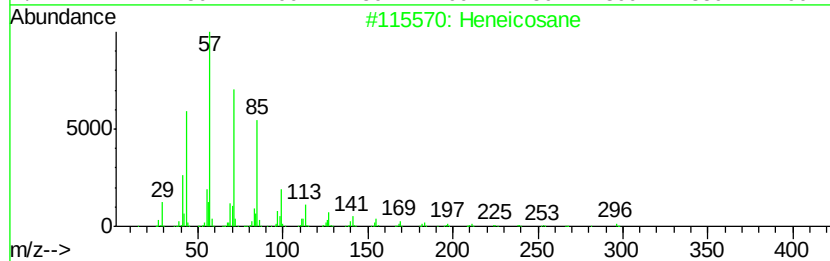
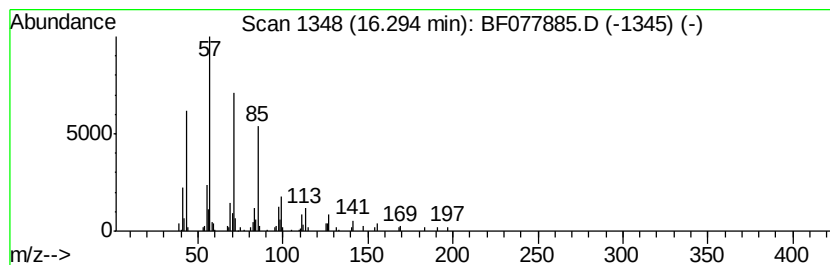
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Peak Number 13 Heneicosane Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.29 | 5.47 ng | 131599 | Chrysene-d12     | 15.99 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 90   |
| 3    |    | Nonacosane   | 408 | C29H60  | 000630-03-5 | 90   |
| 4    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 87   |
| 5    |    | Pentacosane  | 352 | C25H52  | 000629-99-2 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

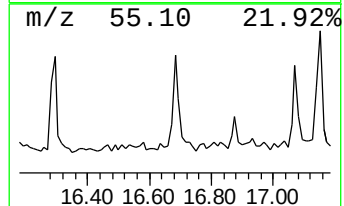
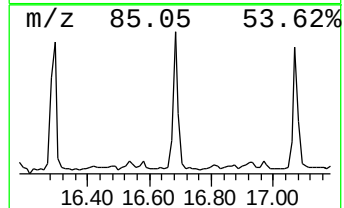
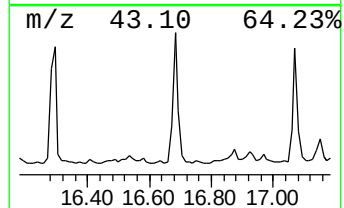
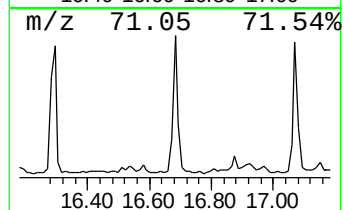
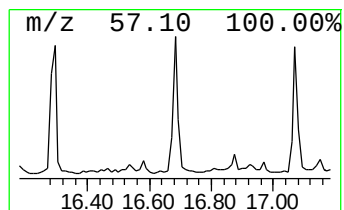
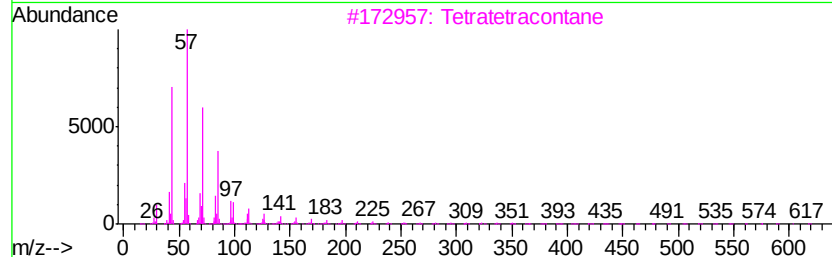
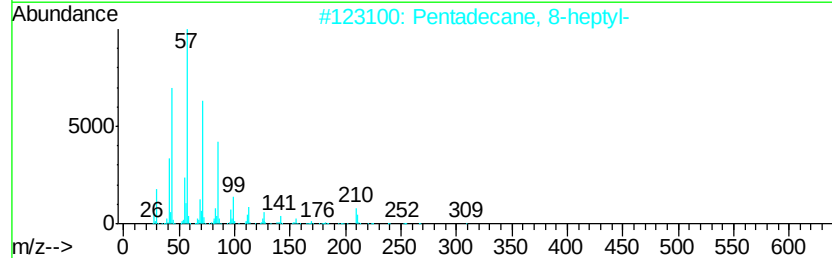
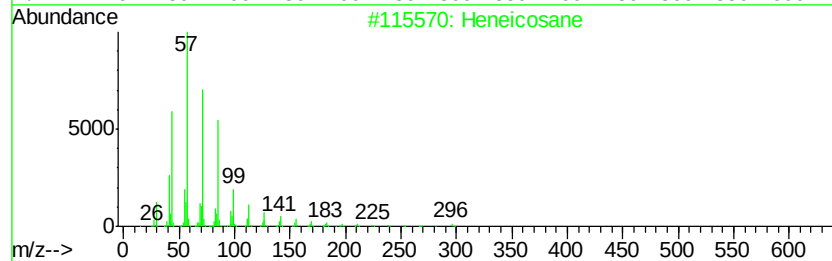
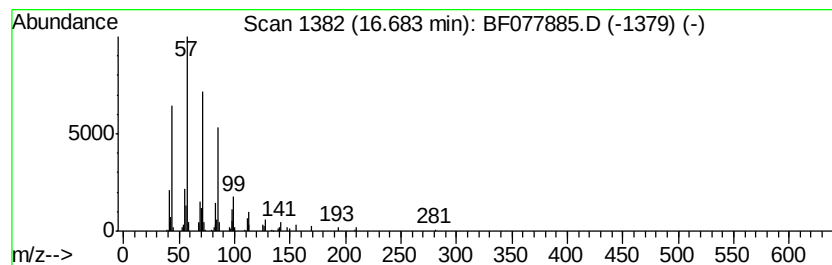
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Pentadecane, 8-heptyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.68 | 5.57 ng | 134075 | Chrysene-d12     | 15.99 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 3    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 90   |



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Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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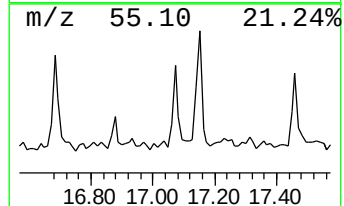
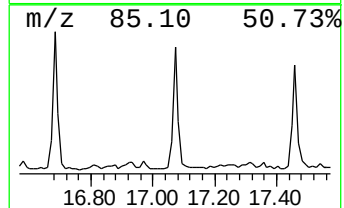
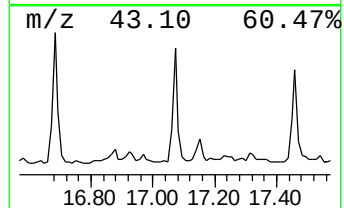
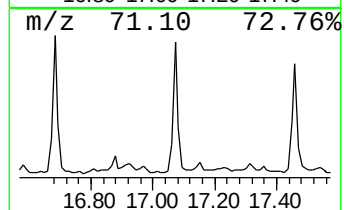
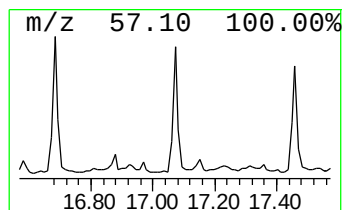
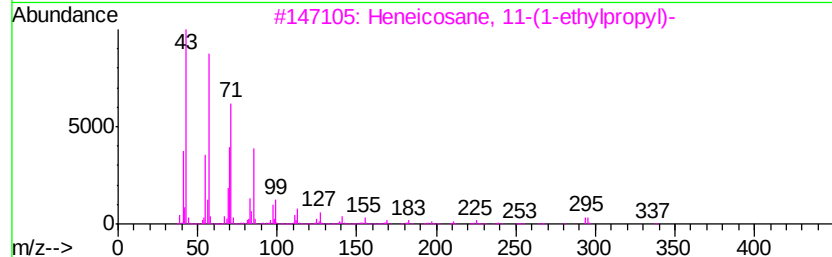
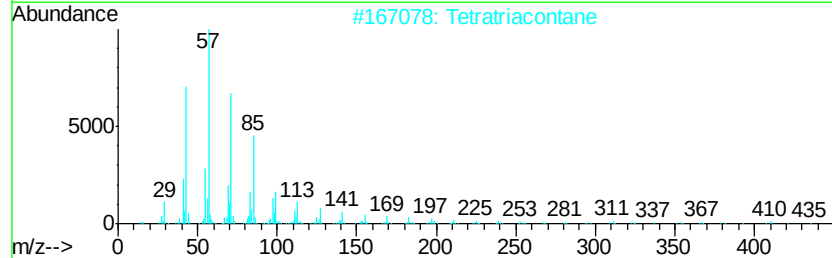
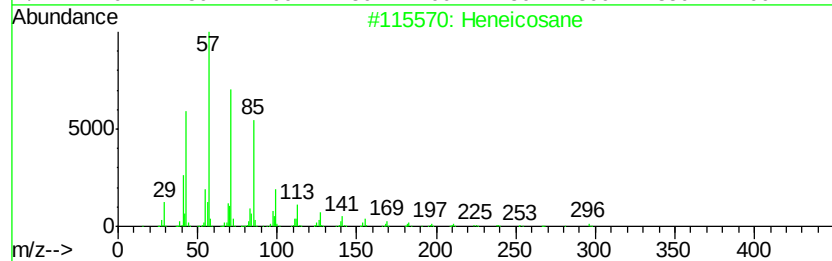
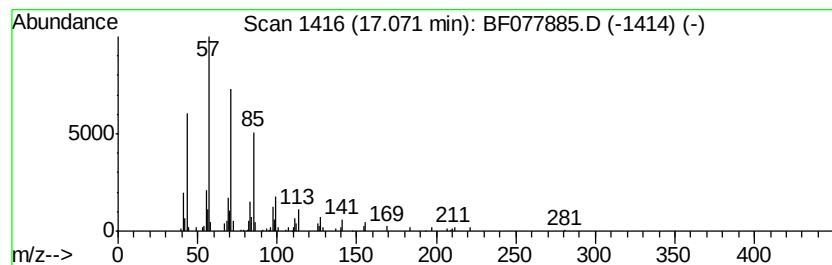
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Tetratriacontane Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.07 | 5.20 ng | 120911 | Perylene-d12     | 17.70 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Tetratriacontane                 | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |
| 4    |    | Heptacosane                      | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Heptadecane, 9-octyl-            | 352 | C25H52  | 007225-64-1 | 91   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

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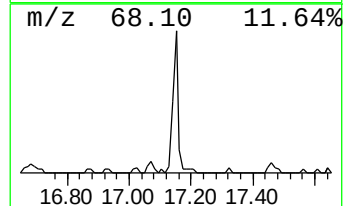
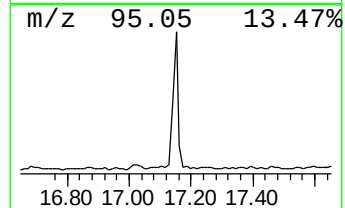
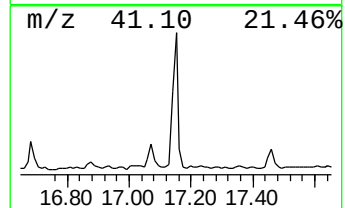
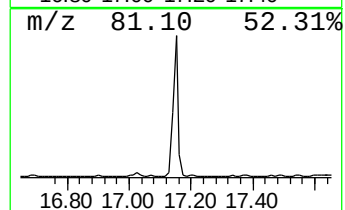
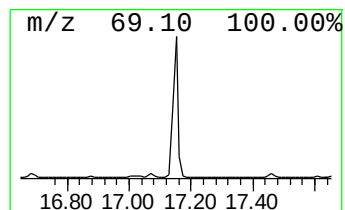
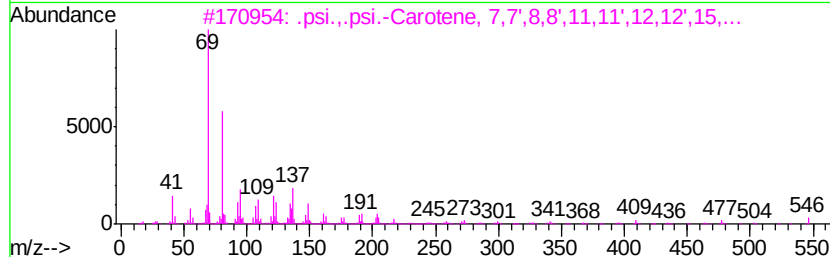
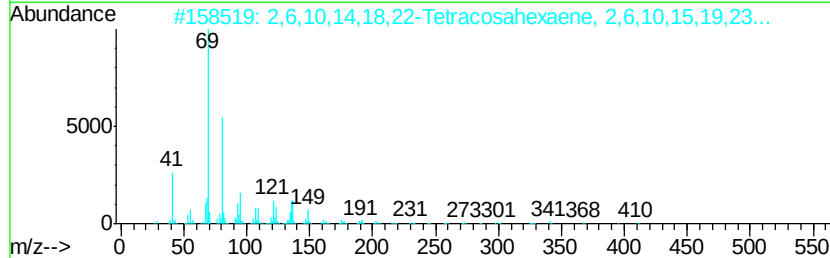
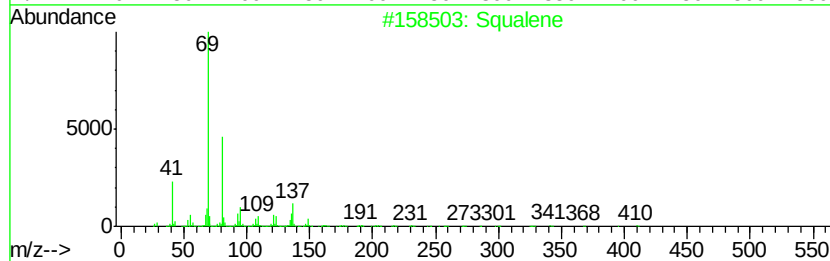
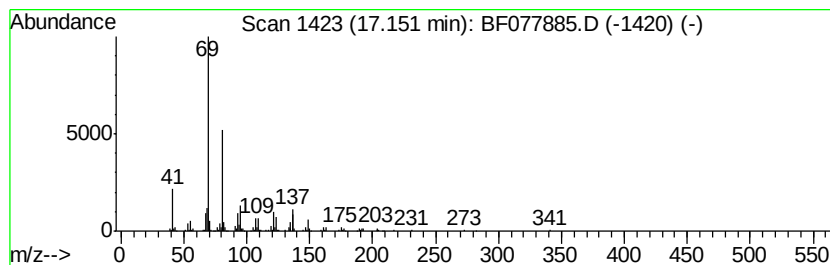
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Squalene Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 17.15 | 18.81 ng | 436969 | Perylene-d12     | 17.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 2    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 91   |
| 3    |    | .psi.,.psi.-Carotene, 7,7',8,8',... | 547 | C40H66  | 000502-62-5 | 83   |
| 4    |    | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 83   |
| 5    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
Data File : BF077885.D  
Acq On : 21 Mar 2015 2:37  
Operator : TP/IZ  
Sample : G1575-03  
Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-25V

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

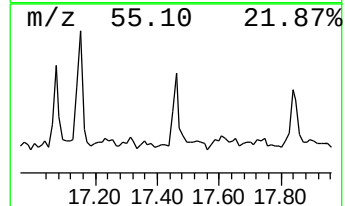
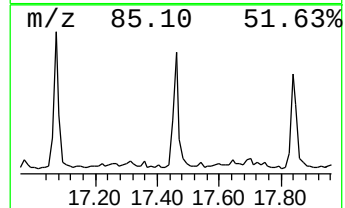
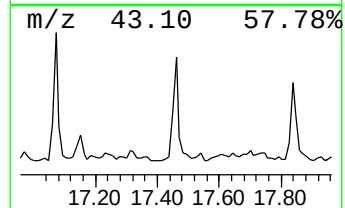
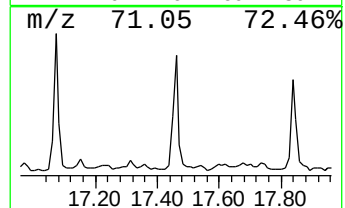
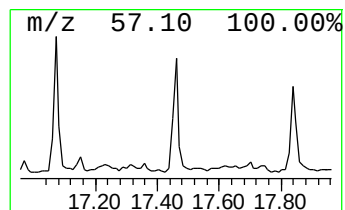
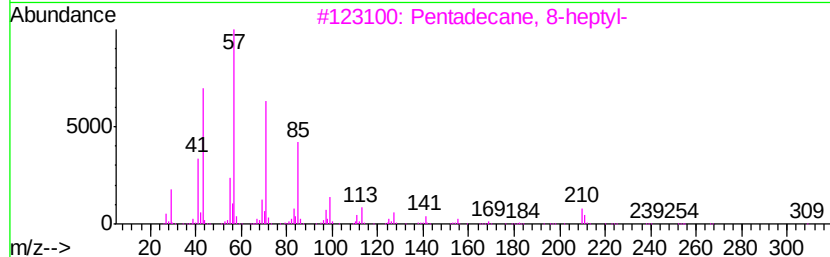
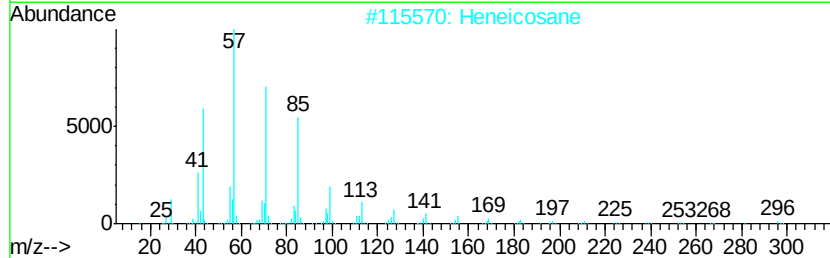
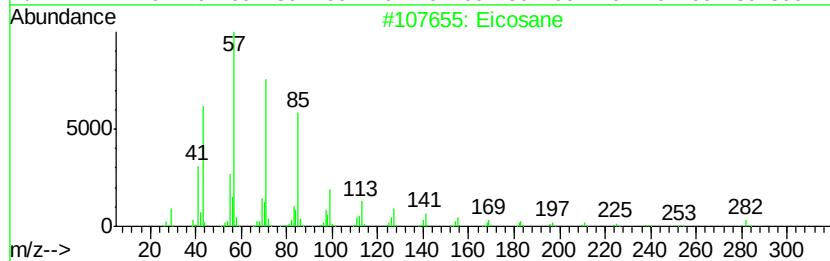
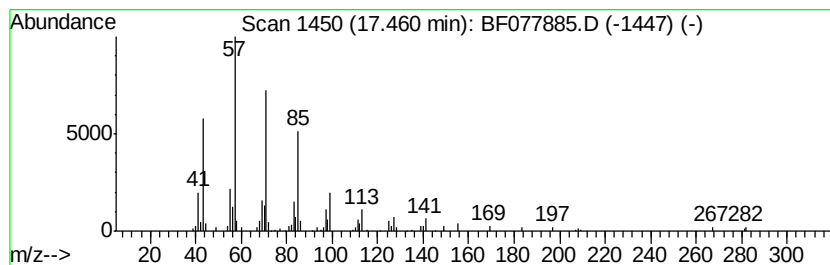
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Eicosane Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.46 | 5.14 ng | 119490 | Perylene-d12     | 17.70 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane               | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    |   | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 4    |    |   | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    |   | triacontane            | 422 | C30H62  | 000638-68-6 | 91   |



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Misc : W  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

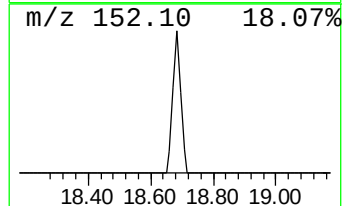
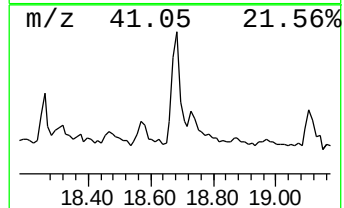
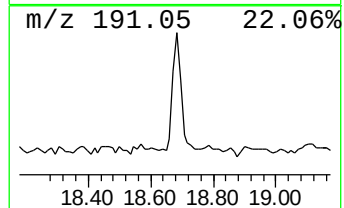
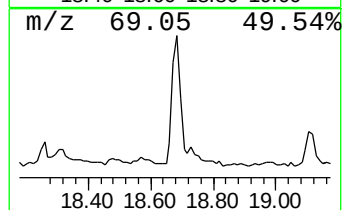
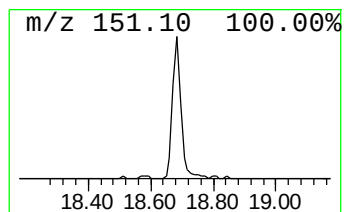
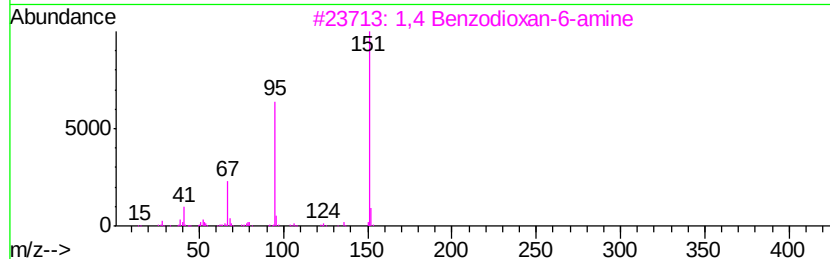
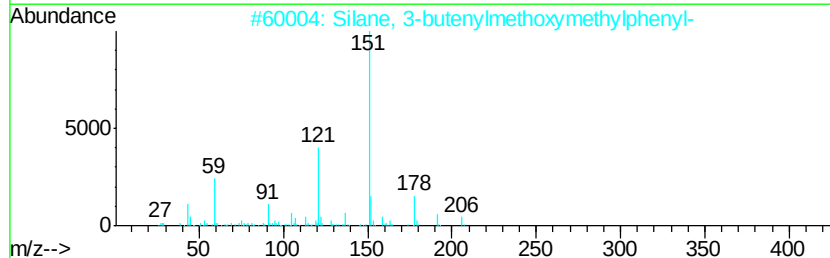
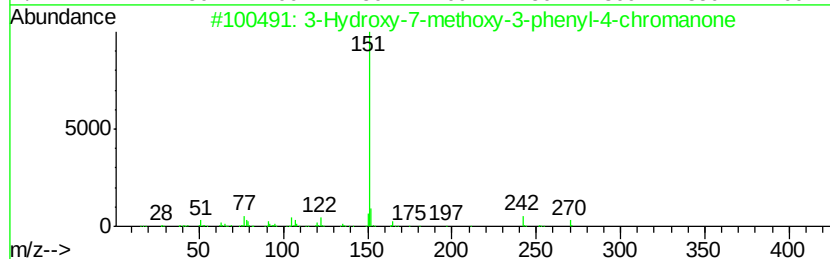
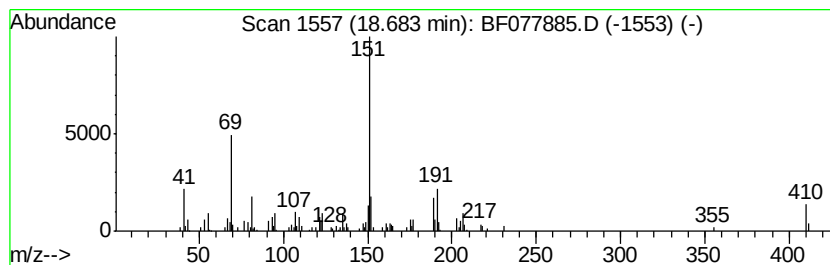
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown18.68 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.68 | 7.52 ng | 174686 | Perylene-d12     | 17.70 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Hydroxy-7-methoxy-3-phenyl-4-c... | 270 | C16H14O4  | 018380-57-9  | 47   |
| 2    |    |   | Silane, 3-butenylmethoxymethylph... | 206 | C12H18OSi | 076557-75-0  | 47   |
| 3    |    |   | 1,4-Benzodioxan-6-amine             | 151 | C8H9NO2   | 022013-33-8  | 43   |
| 4    |    |   | 6-(3,3-Dimethyl-oxiran-2-ylidene... | 194 | C12H18O2  | 1000187-66-2 | 43   |
| 5    |    |   | Benzene, 4-butyl-1,2-dimethoxy-     | 194 | C12H18O2  | 059056-76-7  | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032015\  
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Misc : W  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 1.56  | 21.7    | ng    | 253825   | 1                     | 7.13  | 234016 | 20.0 |
| 2-Pentanone, 4-hy... | 4.88  | 7.0     | ng    | 81833    | 1                     | 7.13  | 234016 | 20.0 |
| unknown4.99          | 4.99  | 5.5     | ng    | 64769    | 1                     | 7.13  | 234016 | 20.0 |
| unknown6.84          | 6.84  | 73.4    | ng    | 858841   | 1                     | 7.13  | 234016 | 20.0 |
| Cyclopentene         | 7.89  | 7.0     | ng    | 81739    | 1                     | 7.13  | 234016 | 20.0 |
| Benzaldehyde, 4-h... | 9.93  | 7.5     | ng    | 144097   | 3                     | 10.88 | 384931 | 20.0 |
| unknown11.19         | 11.19 | 5.2     | ng    | 100036   | 3                     | 10.88 | 384931 | 20.0 |
| 8-Hexadecyne         | 15.32 | 5.7     | ng    | 138199   | 5                     | 15.99 | 481591 | 20.0 |
| 17-Pentatriacontene  | 15.88 | 15.2    | ng    | 366245   | 5                     | 15.99 | 481591 | 20.0 |
| Heneicosane          | 16.29 | 5.5     | ng    | 131599   | 5                     | 15.99 | 481591 | 20.0 |
| Pentadecane, 8-he... | 16.68 | 5.6     | ng    | 134075   | 5                     | 15.99 | 481591 | 20.0 |
| Tetratriacontane     | 17.07 | 5.2     | ng    | 120911   | 6                     | 17.70 | 464633 | 20.0 |
| Squalene             | 17.15 | 18.8    | ng    | 436969   | 6                     | 17.70 | 464633 | 20.0 |
| Eicosane             | 17.46 | 5.1     | ng    | 119490   | 6                     | 17.70 | 464633 | 20.0 |
| unknown18.68         | 18.68 | 7.5     | ng    | 174686   | 6                     | 17.70 | 464633 | 20.0 |